

Product Name :
Astra Scientific Standard penetrometers

Product Code :
FuelTesting0013



Description :

Astra Scientific Standard penetrometers

Technical Specification :

Standard: EN 1426 | ASTM D5 | AASHTO T49

Cast iron base with leveling screws, digital penetration measurement gauge 0.01 mm precision, release button, automatic zeroing. Semi-automatic model 81-B0101/E is supplied complete with automatic controller, which automatically releases the plunger by a magnetic device, complete with micrometer vertical adjustment and adjustable electronic timer of the fall time, according to EN 1426, ASTM D5, AASHTO T49. Both models are fit with a micrometer vertical adjustment device. Needles, cups, thermometer and mirror are not included and have to be ordered separately.

The instrument is provided with lead screw gear arrangement, Leveling screws, Spirit level. The head can be clamped at any desired height. A rack and pinion and pointer assemble provides fine adjustment of needle or cone tip to sample. It incorporates a clutch mechanism. Which makes reading of penetration and subsequent resetting a simple and accurate operation. The electronic timer allows the user to set up and read the fall time of the needle during testing.

The test should be performed placing the penetration cup in thermostatically controlled water, using a suitable device as our water bath with thermoregulator and immersed probe

MAIN FEATURES:

- Digital penetration measurement
- Complete with micrometer vertical adjustment
- Semi-automatic version with automatic controller, complete with micrometer vertical adjustment and adjustable electronic timer of the fall time
- Digital circulation water bath with cooling coil and immersion probe available. An additional water chiller is available but not strictly necessary
- The electronic timer allows the user to set up and read the fall time of the needle during testing

Penetration needle 2.5 ± 0.05 g. made from hardened polished stainless steel. Univocally traceable by engraved serial number. Conforming to ASTM D5 and EN 1426. Supplied with conformity certificate.

Penetration needle 2.5 ± 0.05 g. made from hardened polished stainless steel. Univocally traceable by engraved serial number. Conforming to ASTM D5 and EN 1426. Supplied with conformity certificate. Set of 3.

Verified penetrometer needle 2.5 ± 0.5 g. Fully hardened, tempered and polished stainless steel. Conforming to ASTM D5 and EN 1426. Supplied complete with official UKAS Verification Certificate

Sample cups

Sample cup, dia. 55x35 mm. Set of 6 pieces

Sample cup, dia. 70x45 mm. Set of 6 pieces

Stainless steel sample cup, dia. 55x35 mm.

Mirror

Mirror with articulate holder. To make easy the surface contact between the needle and the sample.

Glass transfer dish

Glass transfer dish with support, 100 mm dia. x 100 mm high

Thermometers

IP 38 C Thermometer, range from +23 to +26°C, 0.1°C graduation

EN thermometer, range from +19 to +27°C range, 0.1°C graduation, type ASTM 17C

EN thermometer, range from -8 to +32°C range, 0.1°C graduation, type ASTM 63C



Astra Scientific

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